

**SECONDARY WIRING OF TRANSFORMER FOR HIGH VOLTAGE**

Patent Number: JP6132143  
Publication date: 1994-05-13  
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Requested Patent: ☐ JP6132143  
Application Number: JP19920281223 19921020  
Priority Number(s):  
IPC Classification: H01F27/28  
EC Classification:  
Equivalents: JP2917081B2

**Abstract**

**PURPOSE:** To provide a secondary winding of a transformer for ultrahigh voltage which hardly cause dielectric breakdown by making the voltage distribution (potential inclination) inside the winding uniform.  
**CONSTITUTION:** First and second metallic cylinders 11 and 12 are provided, respectively, inside and outside of a solenoid coil 10 in multilayer winding, which has an inside diameter enough larger than the outside diameter of the iron core of a transformer. The first and second cylinders are connected to the starting point of winding and terminating point of winding of a solenoid coil, respectively, and besides the length in axial direction is made larger than the length in axial direction of the solenoid coil, and besides a slit is made in axial direction.

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